

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 61-197005

(43)Date of publication of application : 01.09.1988

(51)Int.Cl.

B01D 13/00  
B01D 29/38

(21)Application number : 60-034626

(71)Applicant : EBARA CORP

(22)Date of filing : 25.02.1985

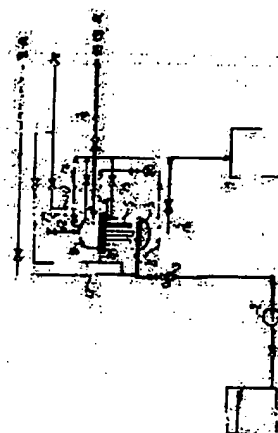
(72)Inventor : MARUYAMA SHINSAKU  
INO TAKAO

## (54) BACK WASHING METHOD FOR FILTER DEVICE

## (57)Abstract:

PURPOSE: To perform effective back washing even for a filter device using a membrane having inferior permeability for air and to reduce the amt. of waste liquid produced by the back washing by performing no discharge of liquid contained within the filter device prior to air scrubbing.

CONSTITUTION: Dome liquid is discharged by opening a pressurized air line 12 from a dome drain line 14, then the liquid is discharged by closing the line 14, feeding air from the line 12 to pressurize the inside of the dome, then closing the line 12 and opening a waste back washing liquid line 15, until no liquid is contained in the line 15. Or, the back washing waste liquid is discharged by opening the back washing waste liquid line 15, 16 at the same time until no liquid remains in the line 15, and closing the line 16 instantaneously. The line 15 is then closed and a scrubbing air line 13 and a line 15 to be opened during scrubbing are opened, and air is fed from a liquid feeding line 8 and discharged from the line 15 performing thus scrubbing the hollow yarn membrane in the filter device 4 with the air. Finally, a line 13 is closed and a drain line 16 is opened, thus the back washing liquid is discharged completely.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of

<http://www19.ipdl.ncipi.go.jp/PA1/result/detail/main/wAAAIa4dzDA361197005P89.htm>

11/1/2004

BEST AVAILABLE COPY